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AUGUST 25, 1998

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LAHIVE & COCKFIELD, LLP
AMY E. MANDRAGOURAS
28 STATE STREET
BOSTON, MA 02109



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/04/1998

REEL/FRAME: 9244/0482
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MCCARTHY, SEAN A.

DOC DATE: 03/31/1998

ASSIGNEE:

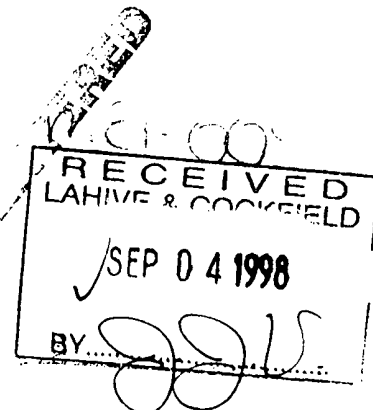
MILLENNIUM BIOTHERAPEUTICS INC.
620 MEMORIAL DRIVE
CAMBRIDGE, MASSACHUSETTS 02139

SERIAL NUMBER: 09009802

PATENT NUMBER:

FILING DATE: 01/20/1998
ISSUE DATE:

JACQUELINE MOORE, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



ASSIGNMENT

I, Sean McCarthy, of 145 Pickney Street, #103, Boston, MA 02114, in consideration of One Dollar and other valuable consideration paid to me by

MILLENNIUM BIOTHERAPEUTICS, INC.

a corporation of Delaware, having its principal place of business at 620 Memorial Drive, Cambridge, MA 02139, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

MILLENNIUM BIOTHERAPEUTICS, INC.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

NOVEL CRSP PROTEIN AND NUCLEIC ACID MOLECULES AND USES THEREFOR
described in an application

_____ executed by me of even date herewith and about to be filed

X Serial No. 09/009,802, filed on January 20, 1998

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this _____ day of 31/31/98, 1998.

By: Sean McCarthy
Sean McCarthy

State of Massachusetts)
)ss
County of Middlesex)

Then personally appeared the above named Sean McCarthy and acknowledged the foregoing instrument to be his ~~his~~ free act and deed, before me, this 31st day of March, 1998.

Simonne L. Corriveau
Notary Public Simonne L. Corriveau

My commission expires: 9/30/99

FORM PTO-1595

(Rev. 6-93)

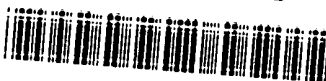
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To the Honorable Commissioner c



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Original documents or copy thereof.

1. Name of conveying party(ies):

Sean A. McCarthy, Ph.D.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

2. Name and address of receiving party(ies)

Name: Millennium Biotherapeutics Inc.

Internal Address:

Street Address: 620 Memorial Drive

City: Cambridge State: MA ZIP: 02139

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: March 31, 1998

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/009,802

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Amy E. Mandragouras

Internal Address: Lahive & Cockfield, LLP

Street Address: 28 State Street

City: Boston State: MA ZIP: 02109

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41).....\$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

12-0080

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Amy E. Mandragouras

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document:

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